

CLAIMS

1. A method of forming a goblet from a glass bottle of the type having a base, a body
portion extending from the base and converging towards a neck which terminates in a
5 mouth, the method comprising the steps of:

severing the base to form a severed base from the body portion along at least a
first severance plane which is proximate the base to thereby form a rim;

flaring the mouth to form a flared foot; and

sealing a portion of said neck to define a closed volume within said body
10 portion.

2. A method according to claim 1, wherein said step of flaring includes
heating the mouth while the body portion is spun.

15 3. A method according to claim 2, wherein said mouth will, under centrifugal
force, flare outwards when the mouth reaches its fiber softening point.

4. A method according to claim 1, wherein said step of sealing includes
twisting said neck under heat and rotation.

20 5. A method according to claim 1, further including the step of removing a
waste portion of the rim along the first severance plane.

6. A method according to claim 1, wherein the base is severed from the body
25 by forming a score line around the outer periphery of the body, and subjecting the

score line to a thermal shock in the form of a temperature differential so as to cause the body to crack along the score line.

7. A method according to claim 6, in which the temperature differential is
5 applied by heating the body in the region of the score line using a flame or a hot fluid, and subsequently cooling the body using a relatively cold fluid.

8. A method according to claim 1 in which an abrasive saw is used to sever the base from the body.

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9. A method according to claim 1, further comprising an annealing process to remove residual stress from said body portion.

10. A method according to claim 1 in which the rim is subsequently polished
15 using at least one of an abrasive belt or disc, a polishing paste, a flame or a laser.